

another and the first troughs longitudinally aligned with one another, a second band-like element having alternating second peaks and second troughs, the second peaks longitudinally aligned with one another and the second troughs longitudinally aligned with one another and a third band-like element having alternating third peaks and third troughs, the third peaks longitudinally aligned with one another and the third troughs longitudinally aligned with one another the second undulating band-like element disposed between the first and third undulating band-like elements, and

the plurality of interconnecting elements including first interconnecting elements and second interconnecting elements, each first interconnecting element having a first end and a second end, the first end circumferentially and longitudinally displaced from the second end, each second interconnecting element having a first end and a second end, the first end circumferentially and longitudinally displaced from the second end,

B2 the first interconnecting elements extending between first peaks on the first undulating band-like element and second troughs on the second undulating band-like element,

the second interconnecting elements extending between second peaks on the second undulating band-like element and third troughs on the third undulating band-like element,

wherein the number of first peaks separating circumferentially adjacent first interconnecting elements is less than the number of second peaks separating circumferentially adjacent second interconnecting elements.

40.(New) The stent of claim 39, the plurality of undulating band-like elements further comprising a fourth band-like element having alternating fourth peaks and fourth troughs,

the plurality of interconnecting elements further comprising third interconnecting elements extending between third peaks on the third undulating band-like element and fourth troughs on the fourth undulating band-like element,

wherein each second interconnecting element is separated from the third interconnecting element nearest to it by a single third peak and a single third trough.

41.(New) The stent of claim 40 where one third interconnecting element extends from every third third peak.

42.(New) The stent of claim 39 where the interconnecting elements are linear.

43.(New) The stent of claim 40 where the interconnecting elements are linear.

44.(New) The stent of claim 41 where the interconnecting elements are linear.

45.(New) The stent of claim 40 wherein the first band-like element is characterized by a first amplitude and the second band-like element is characterized by a second amplitude, the first amplitude greater than the second amplitude.

46.(New) The stent of claim 1, the plurality of undulating band-like elements including a proximal undulating band-like element of a single first wavelength and single first amplitude having alternating first peaks and first troughs, an intermediate undulating band-like element of a single second wavelength and single second amplitude having alternating second peaks and second troughs, and a distal undulating band-like element of a single third wavelength and single third amplitude having alternating third peaks and third troughs, the intermediate undulating band-like element disposed between the proximal and distal undulating band-like elements, and the plurality of interconnecting elements including first interconnecting elements and second interconnecting elements, each first interconnecting element having a first end and a second end, the first end circumferentially and longitudinally displaced from the second end, each second interconnecting element having a first end and a second end, the first end circumferentially and longitudinally displaced from the second end,

the first interconnecting elements extending between first peaks on the proximal undulating band-like element and second troughs on the intermediate undulating band-like element,

the second interconnecting elements extending between second peaks on the intermediate undulating band-like element and third troughs on the distal undulating band-like element,

wherein the first ends of the first interconnecting elements extend from every third first peak and the second ends of the second interconnecting elements extend from every third third trough.

47.(New) The stent of claim 46 wherein the plurality of undulating band-like elements further comprises a second distal undulating band-like element having alternating fourth peaks

and fourth troughs, the second distal undulating band like-element distal to the distal undulating band-like element,

the plurality of interconnecting elements including third interconnecting elements extending between third peaks on the distal undulating band-like element and fourth troughs on the second undulating band-like element,

wherein each second interconnecting element is separated from the third interconnecting element nearest to it by a single third peak and a single third trough.

48.(New) The stent of claim 47 wherein the interconnecting elements are linear.

49.(New) The stent of claim 48 wherein the first and third amplitudes are greater than the second amplitude, and the first and third wavelengths are greater than the second wavelength.

50.(New) The stent of claim 1, the plurality of undulating band-like elements including a first band-like element having alternating first peaks and first troughs and a second band-like element having alternating second peaks and second troughs, the first and second band-like elements adjacent one another, and

the plurality of interconnecting elements including first interconnecting elements, each first interconnecting element having a first end and a second end, the first end circumferentially and longitudinally displaced from the second end,

the first interconnecting elements extending between first peaks on the first undulating band-like element and second troughs on the second undulating band-like element, first interconnecting elements which are adjacent one another connected to each other via a first path along the first band-like element, the first path having a first length, and via a second path along the second band-like element, the second path having a second length, wherein the first path length is different from the second path length.

51.(New) The stent of claim 50 wherein the first interconnecting elements are linear.

52.(New) The stent of claim 51 wherein the first and second undulating band-like elements are characterized by different amplitudes.--